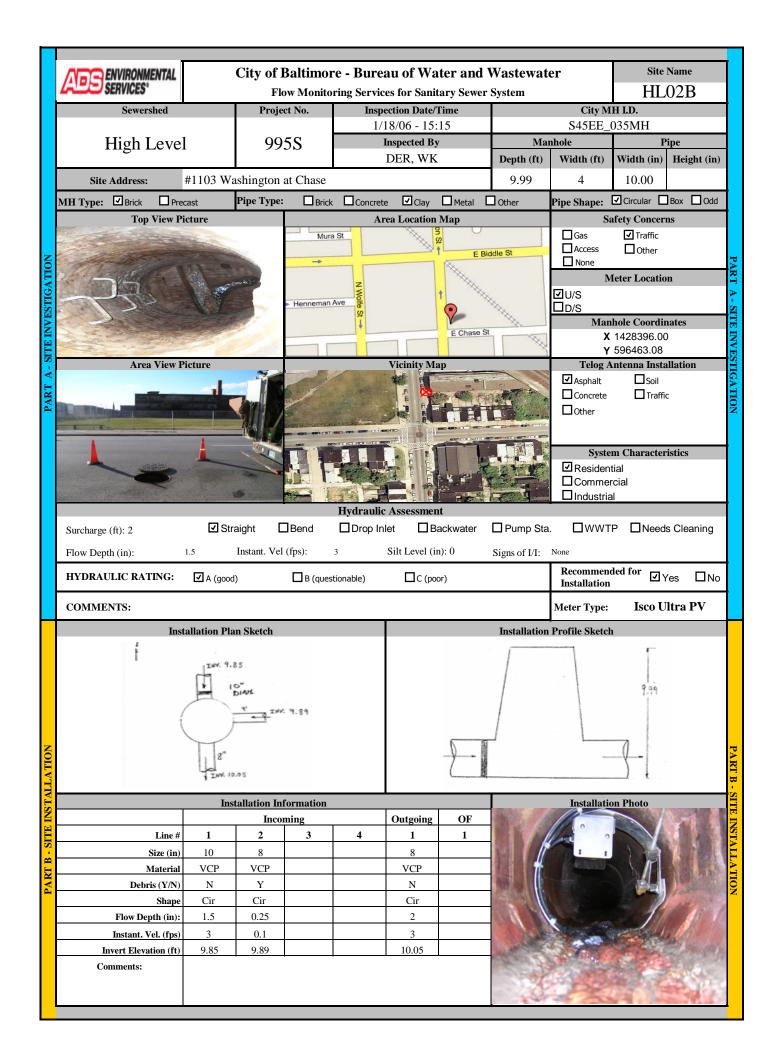
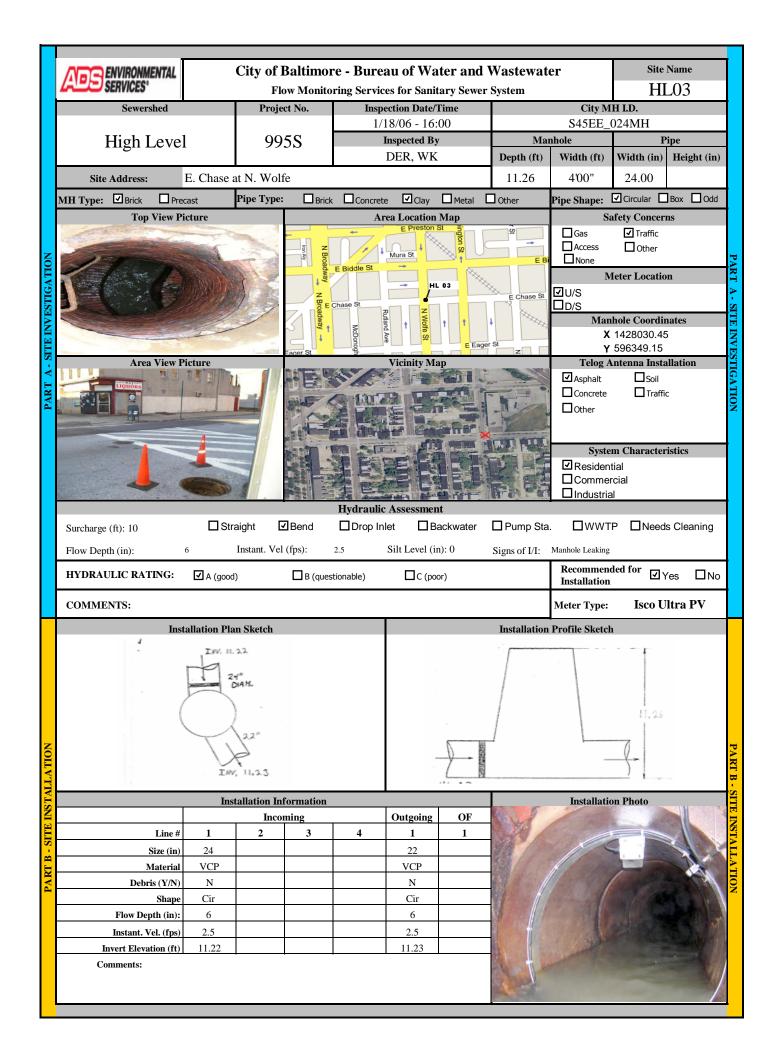
Inflow and Infiltration R	eport
Appendix A: Flow Meter Installation Site Reports	

	ENVIRONMENTAL		City of I	Raltimor	e - Bure	an of Wa	ater and	Wastewat	er	Site	Name
	SERVICES:	•						-	TT	I O1	
	SENVICES	Sewershed Pr				es for Sani	•	System			L01
	Sewershed					ection Date/	Time		City M	H I.D.	
					1/	18/06 - 13	:15		S55EE_	002MH	
	High Level	1	99:	58		Inspected B	v	Ma	nhole		Pipe
	Then Level	ı	)).	35		DER, WK		Depth (ft)	Width (ft)	Width (in)	1
						DLK, WI			, ,		Height (III)
	Site Address:	Biddle at	Chase by I	Baltimore	Plant			12.41	5	24.00	
	MH Type: ☑ Brick ☐ Pre	cact	Pipe Type:	Rrick	Concret	e 🗹 Clay	☐ Metal	Other	Pipe Shape:	☑ Circular ☐	Box □ Odd
			ripe rype.	DI DI ICK				Other	•		
	Top View Pi	icture	175.033.035.03E		Al	rea Location	Map ×			afety Concer	rns
							*>	<b>X</b> .	Gas	☑ Traffic	
7	A A	AND STREET						***	Access	Other	
[0]				E Biddle St				***			on
AT						HL 01		****		Ieter Locati	on
						E Cha	te St	``````````````````````````````````````	<b>☑</b> U/S		
ES		<b>一</b>				ECITA	30 01		□d/S		
								or St		hole Coordi	inates
ΕIJ	BO									1435586.3	9
SITE INVESTIGATION	Area View Picture							E Eager St		596749.89	
-	Area View P	Area View Picture				Vicinity M	ар	Name of the last o		Antenna Inst	inates 9 allation
I A	1	Area View Picture							<b>☑</b> Asphalt	Soil	
K			1 H m	Total action					Concrete	☐ Traff	îc
<b>b</b> /		P WA		10 · 10 · 10 · 10 · 10 · 10 · 10 · 10 ·	11:15	1			Other		
						F 2		200			
				13861	1 00			Mary Control			
		· Design	A TOP		- 111		THE		Syste	m Characte	ristics
			-						Residen	tial	
			-	Act and				132	☑ Comme	rcial	
				-		a gr		<b>S</b>	□Industria	al	
			_		Hydraulio	Assessmen	nt		•		
	Surcharge (ft): 12	<b>☑</b> Str	aight [	Bend	☐ Drop In	let □B	Backwater	☐ Pump Sta	. Dwwt	р ПNеес	ds Cleaning
	Strenarge (it). 12		_								g
	Flow Depth (in): 5		Instant. Vel	(fns): 1		Silt Level (i	n): .5	Signs of I/I:	NT.		
			instanti ( or	(1ps). 1		Diff Level (1	,	Signs of 1/1.	IN		
	IIVDD A III IC D A TEDIC			_		•		Signs of 1/1.	1	ded for	
	T			☑ B (ques	tionable)			Signs of 1/1.	Recommendation		Yes □No
	HYDRAULIC RATING:  COMMENTS:			_	tionable)	•		Signs 01 I/1.	Recommen Installation	· ·	Yes □No V, ULTRA
	COMMENTS:	☐ A (good	)	_	tionable)	•			Recommendation Installation Meter Type:	ISCO, P	
	COMMENTS:	☐ A (good	n Sketch	_	tionable)	•			Recommen Installation	ISCO, P	
	COMMENTS:	☐ A (good	n Sketch	_	tionable)	•			Recommendation Installation Meter Type:	ISCO, P	
	COMMENTS:	A (good	n Sketch	_	tionable)	•			Recommendation Installation Meter Type:	ISCO, P	
	COMMENTS:	☐ A (good	n Sketch	_	tionable)	•			Recommendation Installation Meter Type:	ISCO, P	
	COMMENTS:	A (good	n Sketch	<b>☑</b> B (ques	tionable)	•			Recommendation Installation Meter Type:	ISCO, P	
	COMMENTS:	A (good	n Sketch	<b>☑</b> B (ques	tionable)	•			Recommendation Installation Meter Type:	ISCO, P	
	COMMENTS:	A (good	n Sketch	<b>☑</b> B (ques	tionable)	•			Recommendation Installation Meter Type:	ISCO, P	
7	COMMENTS:	A (good	n Sketch	<b>☑</b> B (ques	tionable)	•			Recommendation Installation Meter Type:	ISCO, P	V, ULTRA
ION	COMMENTS:	A (good	n Sketch	<b>☑</b> B (ques	tionable)	•			Recommendation Installation Meter Type:	ISCO, P	V, ULTRA
ATION	COMMENTS:	A (good	n Sketch	<b>☑</b> B (ques	tionable)	•			Recommendation Installation Meter Type:	ISCO, P	V, ULTRA
TLATION	COMMENTS:	A (good	n Sketch	<b>☑</b> B (ques	tionable)	•			Recommendation Installation Meter Type:	ISCO, P	
TALLATION	COMMENTS:	A (good	n Sketch	B (ques	tionable)	•			Recommendation Installation Meter Type:	ISCO, P	V, ULTRA
INSTALLATION	COMMENTS:	A (good	n Sketch	B (ques	tionable)	C (pc	oor)		Recommen Installation Meter Type: Profile Sketch	ISCO, P	V, ULTRA
	COMMENTS:  Inst	A (good	n Sketch	B (ques		Outgoing	OF		Recommen Installation Meter Type: Profile Sketch	ISCO, P	V, ULTRA
SITE	Inst	A (good	n Sketch	B (ques	tionable)	Outgoing  1	oor)		Recommen Installation Meter Type: Profile Sketch	ISCO, P	V, ULTRA
	Line #	Ins	n Sketch  stallation Inf  Incor  2  24	B (ques		Outgoing 1 24	OF		Recommen Installation Meter Type: Profile Sketch	ISCO, P	V, ULTRA
B - SITE	Inst	A (good	n Sketch	B (ques		Outgoing  1	OF		Recommen Installation Meter Type: Profile Sketch	ISCO, P	V, ULTRA
- SITE	Line #	Ins	n Sketch  stallation Inf  Incor  2  24	B (ques		Outgoing 1 24	OF		Recommen Installation Meter Type: Profile Sketch	ISCO, P	V, ULTRA
B - SITE	COMMENTS:  Inst  Line #  Size (in)  Material	Inst	m Sketch  tallation Inf  Incor  2  24  VCP	B (ques		Outgoing 1 24 VCP	OF		Recommen Installation Meter Type: Profile Sketch	ISCO, P	V, ULTRA
B - SITE	Line # Size (in) Material Debris (Y/N)	Ins  1 24 VCP	m Sketch  tallation Inf  Incor  2  24  VCP	B (ques		Outgoing 1 24 VCP N	OF		Recommen Installation Meter Type: Profile Sketch	ISCO, P	V, ULTRA
B - SITE	Line # Size (in) Material Debris (Y/N) Shape Flow Depth (in):	Ins  Ins  Cir  3	tallation Inf Incor  2 24 VCP Y Cir	Formation ming 3 8 VCP N Cir 0.5		Outgoing 1 24 VCP N Cir 4	OF		Recommen Installation Meter Type: Profile Sketch	ISCO, P	V, ULTRA
B - SITE	Line # Size (in) Material Debris (Y/N) Shape Flow Depth (in): Instant. Vel. (fps)	Ins  Ins  Cir  3  3	tallation Inf Incor 2 24 VCP Y Cir 5	B (quess  B (quess  7.53  8  VCP  N  Cir  0.5  0.2		Outgoing 1 24 VCP N Cir 4 3	OF		Recommen Installation Meter Type: Profile Sketch	ISCO, P	V, ULTRA
B - SITE	Line # Size (in) Material Debris (Y/N) Shape Flow Depth (in):	Ins  Ins  Cir  3	tallation Inf Incor  2 24 VCP Y Cir	Formation ming  3  8  VCP  N  Cir  0.5  0.2  7.33TD		Outgoing 1 24 VCP N Cir 4	OF		Recommen Installation Meter Type: Profile Sketch	ISCO, P	V, ULTRA
B - SITE	Line # Size (in) Material Debris (Y/N) Shape Flow Depth (in): Instant. Vel. (fps) Invert Elevation (ft)	Ins  Ins  1 24 VCP N Cir 3 12.42	tallation Inf Incor 2 24 VCP Y Cir 5 1 12.42	B (quess 7.33 8 VCP N Cir 0.5 0.2 7.33TD 11.64BD	4	Outgoing 1 24 VCP N Cir 4 3	OF		Recommen Installation Meter Type: Profile Sketch	ISCO, P	V, ULTRA
B - SITE	Line # Size (in) Material Debris (Y/N) Shape Flow Depth (in): Instant. Vel. (fps)	Ins  Ins  1 24 VCP N Cir 3 12.42	tallation Inf Incor 2 24 VCP Y Cir 5	B (quess 7.33 8 VCP N Cir 0.5 0.2 7.33TD 11.64BD	4	Outgoing 1 24 VCP N Cir 4 3	OF		Recommen Installation Meter Type: Profile Sketch	ISCO, P	V, ULTRA

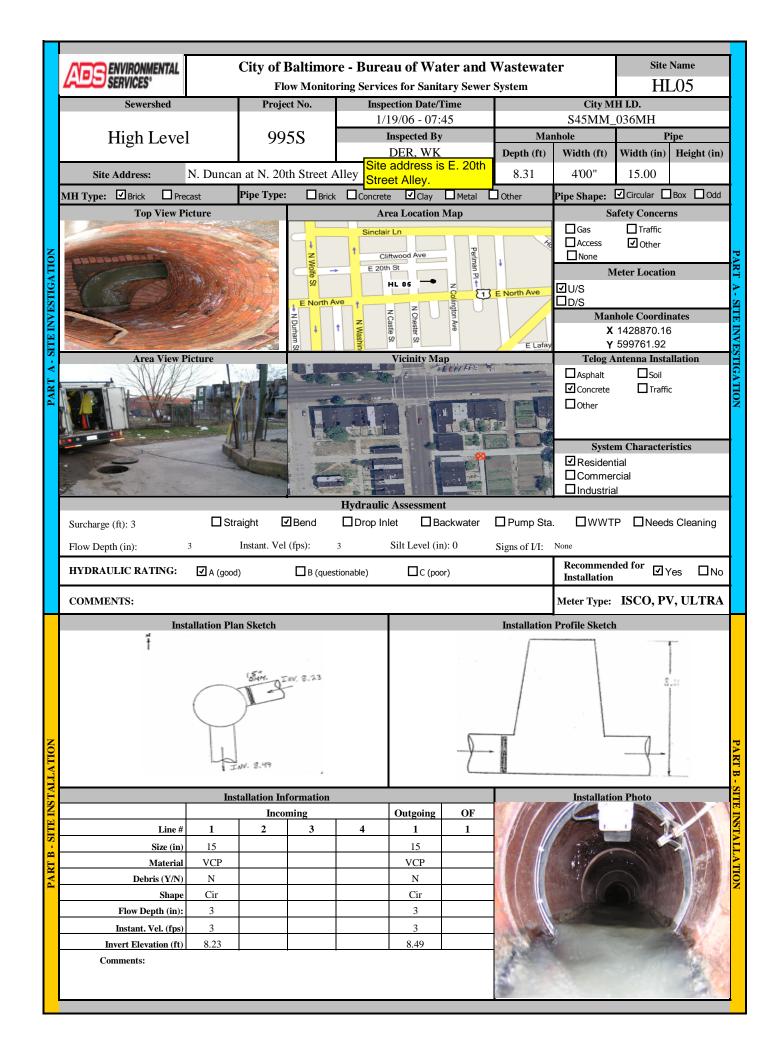
										1		-
	ENVIRONMENTAL	(	City of Baltimore - Bureau of Water and							Site	Name	
	SERVICES*		Flo	ow Monito	ring Servio	es for Sani	tarv Sewei	r System		Н	L02	
	Sewershed		Proje			ection Date/		1	City M			-
	beweished		11030	Ct 110.	_	17/06 - 14:			S49EE_			
	High I ava	1	99	50		Inspected By		Ma	nhole		Pipe	1
	High Level	1	99	<i>J</i> S		DER, MK		Depth (ft)	Width (ft)	Width (in)	1	
						DER, WIK	•		, ,		Height (III)	4
	Site Address:	#1036 Luz	zerne at B	eryl				9.03	4'00"	15.00		_
	MH Type: ☑ Brick ☐ Pre	cast	Pipe Type:	Brick	Concret	e 🗹 Clay	Metal	Other	Pipe Shape:	☑ Circular	Box Odd	
	Top View P	icture			A	rea Location	Мар		S	afety Concer	ns	T
	1977		74		E E	Biddle St		-1	Gas	✓ Traffic		Т
7	AYES		A 18	2 7	Ave		+	Z Ze	Access	Other		
IOI	4797		78 P. P.	N Port St				N Kenwood Ave	□None			PART A-
AT						Chase St		Ave		Ieter Locati	on	
SITE INVESTIGATION		Brook				Beryl A	ve		☑U/S			
/ES	THE THE PARTY OF T		<b>大大型</b>						□D/S Mar	hole Coordi	natac	SITE INVESTIGATION
N			11111111	111111	11111	11 1111	1111		1430875.2			
TE		Area View Picture				Eager St				596229.18		VE
1.	Area View P	Area View Picture				Vicinity M	ар		Telog A	ntenna Inst	allation	SIL
I A		Area View Picture					- F	CALL TO THE	☑ Asphalt	Soil		GA
PART		L -			V CT				Concrete	☐ Traff	ic	110
P					The same			THE TAXABLE	Other			Ž
				6=11				The state of the s				
		1	-					- Firs	Svete	m Characte	rictics	-
			3 7 7 1		All militis	1000	V. X	Frank Market	☑ Residen		listics	
				Sangaran M.		de de m	CONTRACTOR A	* Wasel	Comme			
						TA: FA			□Industria			
					Hydrauli	: Assessmei	nt					
	Surcharge (ft): 5	✓ Stra	aight [	Bend	☐ Drop In	let 🔲 B	ackwater	☐ Pump Sta	. DWWT	P Need	ds Cleaning	
	Flow Depth (in):	4	Instant. Vel	(fns):	3	Silt Level (i	n). ()	Signs of I/I:	None			
	Tiow Deput (III).	•		(-P-).		Sin Zever (i	,. 0	Signs of 1/1.	ı	dad fan		4
	HYDRAULIC RATING:	☑ A (good)	)	☐ B (ques	tionable)	C (po	or)		Recommen Installation	ded for 🗹	Yes □No	,
	COMPANY								M 4 T	Taga I	Ilano DV	1
	COMMENTS:								Meter Type:	ISCO C	Iltra PV	L
	Inst	tallation Pla	n Sketch					Installation	Profile Sketcl	1		4
	f	JAN.	8.85									
		بطحا							. \			
		-	15" DIAH-					1				
				EWK 8.85								
		(	8, 23							9.03		
			/							-		
N				1			1	-	-	7		PA
II				_			7		-	<del>\</del> - -		PART B -
LLA		TW.	8.96	-1			III.			/		
PART B - SITE INSTALLATION		Inst	allation In	formation					Installation	on Photo		SITE.
INS			Inco			Outgoing	OF				VI STATE	
TE	Line #	1	2	3	4	1	1				NAME OF STREET	
S -	Size (in)	15	8			15						AL
T B	Material	VCP	VCP			VCP			11/2 1		W I	A
AR	Debris (Y/N)	N	N			N		The same	11.			
Ь	Shape	Cir	Cir			Cir			1/2	11/		
	Flow Depth (in):	4	4			3					S EN	
	Instant. Vel. (fps)	3	2			3						
	Invert Elevation (ft)	8.85	8.85			8.96		1	1			
	Comments:	0.00	0.00	!	!	0.70					TO THE	
	Commence							A CONTRACTOR OF THE PARTY OF TH			W. O.	ĝ
								AA			4 34 4	il.

	г									
	ENVIRONMENTAL	Ci	ty of Baltimor	re - Bure	au of Wa	ter and <b>\</b>	Wastewat	er		Name
	SERVICES.		Flow Monito	ring Servio	es for Sanit	ary Sewer	System		HL	.02A
	Sewershed		Project No.	_	ection Date/T			City M		
	*** 1 * 1		00.77		18/06 - 14:4			S45EE_		
	High Level	=	995S		Inspected By			nhole		Pipe
					DER, WK		Depth (ft)	Width (ft)	Width (in)	Height (in)
			t Chester Street				6.52	4'00"	8.00	
	MH Type: ☑ Brick ☐ Prec	rast Pij	pe Type: Brick	Concret	e 🗹 Clay	☐ Metal ☐	Other	Pipe Shape:	☑ Circular ☐	Box Odd
	Top View Pic	cture		A	rea Location	_ •			afety Concer	ns
			###	N Was	Ellsworth St	N Chas	Patterson	Gas	☑ Traffic	
Z			EPr	eston St	_	20	P None			
M			↓ Mura St	1			With St.	N	Ieter Locatio	on
			-		×.	EBIO	dle St	<b>☑</b> U/S		<u> </u>
INVESTIGA			-		□D/S	hole Coordi	notes.			
Z			P T		Prentiss Pl		1428883.67	nates 7		
ITE			Rutland A	Att .	Υ	596339.15				
A - SI	Area View Pi	icture			Vicinity Ma	р			ntenna Insta	nates 7 Allation
XI.	PPP	ининин .		Statute le		Maria Comm	THE PARTY OF	✓ Asphalt ☐ Concrete	□Soil □Traffi	A
PAI	7/2				reiden (			Other	LI ITAIII	
	W. W. L.			Final	A. I See			_ 0		
			Can late		<b>∞</b>			-		
				45月		4	THE STATE OF THE S	Syste  Residen	m Character	ristics
	A STATE OF THE PARTY OF THE PAR			THE I	Cit a de	The least	AND THE REAL PROPERTY.	Comme		
	THE WAY STATE OF THE PARTY OF T		E THE				PEE	□Industria		
		_	_		c Assessmen		_	_		
	Surcharge (ft): 1.5	☐ Straig	ht ☑Bend	☐ Drop Ir	ılet □Ba	ckwater	☐ Pump Sta	. DWWT	P Need	ls Cleaning
	Flow Depth (in):	0.5 Ins	tant. Vel (fps):	0.1	Silt Level (in	): 0	Signs of I/I:	None		
	HYDRAULIC RATING:	A (good)	☐ B (ques	tionable)	☑C (poo	r)		Recommend		res □No
	GOLOGENER	_ (3 /				<u>,                                      </u>		Installation		Iltra PV
	COMMENTS:	n					T . N .	Meter Type:		ilia r v
	Insta	allation Plan S					Installation	Profile Sketch	1	
		INV. 6	.98							
							/			
	/						/		6.52	ζ
	(	. )					1			
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TION	í	DIAM.	<u></u>			-	1.		-1	FA
⋖		~	INK 6.46			(			)	AKIB
TALL										
NST		Install	ation Information			OF	1 (A. 1704)	Installation	on Photo	iz
TE I	Line #	1	Incoming 2 3	4	Outgoing 1	OF 1				
- SITE	Size (in)	8	2 3	7	8			3		A
TB.	Material	VCP			VCP				1	
PART	Debris (Y/N)	N			N		\$190 H	The state of		
F	Shape	Cir			Cir			18	1	2
	Flow Depth (in):	0.5			0.5		The same of the sa			480
	Instant. Vel. (fps)	0.1			0.1					
	Invert Elevation (ft)	6.46			6.98		1	N		
	Comments:							A	1	-
							The state of the s		7	NI CONTRACTOR
							Market Committee of the Parket	Charles and the second		AND DESCRIPTION OF THE PERSON NAMED IN





	ENVIRONMENTAL		City of l	Baltimor	e - Bure	au of Wa	ter and \	Wastewat	er	Site	Name	Ī
	SERVICES*		Flo	ow Monito	ring Servic	es for Sanit	ary Sewer	System		Н	L04	
	Sewershed		Proje	ct No.	_	ection Date/			City M			
	High Level	1	99	50		18/06 - 16: Inspected By		Mar	S45II_0 nhole		Pipe	ł
	riigii Leve	l	99	<i>3</i> 8		DER, WK		Depth (ft)	Width (ft)	Width (in)	1	1
	Site Address:	#1925 Fed	deral at N.	Chapel		,		11.73	4	22.00		
	MH Type: ☑ Brick ☐ Pre		Pipe Type:		Concrete	e 🗹 Clay	□ Metal □	Other	Pipe Shape:		Box Odd	t
	Top View Pi				Ar	ea Location				afety Concer		t
		A STATE		St	R E Lafayet	te Ave	naton		Gas	<b>☑</b> Traffic		
Z	Jensh .	The same		t	tland A	T N C	<u> </u>	110	☐ Access ☐ None	Other		P.
A - SITE INVESTIGATION			-	E	Lanvale St	Chapel St	Z	51 /		Ieter Locatio	n	AR'I
IGA							† Castle St		<b></b> U/S			Α-
/ESI	A TOPPES				E Federal S		92-		□D/S Mon	hole Coordi	notos	SIT
N		Fac	1 -		S t	1//			1428178.2		E	
SITE	The second	3	C+				Oliver St	1	598292.53		VES	
A - 9	Area View P				Vicinity Ma	ip		Telog A  ✓ Asphalt	ntenna Insta □Soil	allation	TIG	
PART		100					DI BIN	Concrete	☐ Traffi	С	ATI	
PA			I FO		THE RESERVE		anylari .		Other			HON
					是							
		-						3/4	Syste	m Charactei	ristics	ł
	-	No.							☑ Residen			
									☐Commer ☐Industria			
					Hydraulic	Assessmen	it		Lindustria	11		t
	Surcharge (ft): 2	<b>☑</b> Str	aight [	Bend	☐Drop In			☐ Pump Sta	. DWWT	P Need	s Cleaning	
	Flow Depth (in):	4	Instant. Vel	(fps):	3	Silt Level (in	n): 0	Signs of I/I:	Leaks by outgoing	gpipe		
	HYDRAULIC RATING:	✓ A (good	Ŋ	☐ B (ques	tionable)	С (рос	or)		Recommend		∕es □No	
		<b>—</b> (9000	.,	<b>—</b> 5 (quee	ao.iusicy	<b>—</b> 0 (par	,		Installation			+
	COMMENTS:	( II d' DI	GL 4 I					T 4 D 4	Meter Type:		Itra PV	F
		tallation Pla						Installation	Profile Sketch	1		1
	1 .	DIDF LONGA	INV. 10.84					/				
			DIAM.					1	1			
	23W. 11. 23		DIAM.	11.78						11.73		
	-9-	( , ,	1 -4					1		- 1		
Z		$\bigvee$					0	1		7		P
TIO		HIM	10.13				7			4		ART
LLA												В-
STA		Ins	tallation In	formation					Installatio	on Photo	VIII.	SITE
E II			Inco	ming		Outgoing	OF		State of the state			Z
	Line#	1	2	2	4	1 1	1	THE RESIDENCE OF THE PARTY OF T	The second second			
- SIT	Line #	1 8	2 22	8	4	22	1	100	1	T.A.	<b>A</b>	TAL
TB - SIT	Line # Size (in) Material	8 VCP	2 22 VCP	3 8 VCP	4	22 VCP	1					TALLAT
PART B - SIT	Size (in)	8	22	8	4	22	1					TALLATION
PART B - SIT	Size (in)  Material  Debris (Y/N)  Shape	8 VCP N Cir	22 VCP N Cir	8 VCP N Cir	4	22 VCP N Cir	1		1			TALLATION
PART B - SIT	Size (in)  Material  Debris (Y/N)  Shape  Flow Depth (in):	8 VCP N Cir 0.5	22 VCP N Cir 4	8 VCP N Cir 0.5	4	VCP N Cir 4	1					TALLATION
PART B - SIT	Size (in)  Material  Debris (Y/N)  Shape  Flow Depth (in):  Instant. Vel. (fps)	8 VCP N Cir 0.5	22 VCP N Cir 4	8 VCP N Cir 0.5	4	22 VCP N Cir 4	1					TALLATION
PART B - SITE INSTALLATION	Size (in)  Material  Debris (Y/N)  Shape  Flow Depth (in):  Instant. Vel. (fps)  Invert Elevation (ft)	8 VCP N Cir 0.5	22 VCP N Cir 4	8 VCP N Cir 0.5 0.5	4	VCP N Cir 4	1					STALLATION
	Size (in)  Material  Debris (Y/N)  Shape  Flow Depth (in):  Instant. Vel. (fps)  Invert Elevation (ft)  Comments:  Pipe 3 Drop Connection	8 VCP N Cir 0.5	22 VCP N Cir 4 3 11.78	8 VCP N Cir 0.5 0.5 8.77TD 10.84BD	4	22 VCP N Cir 4	1					TALLATION



	ringroup	City of E	Baltimor	re - Bure	au of Wa	ter and	Wastewate	er	Site	Name	
	Excellence through Ownership	Flo	w Monito	ring Servic	es for Sani	tary Sewer	System		HR	.QD	
	Sewershed	Projec	ct No.	Insp	ection Date/	Time		City M		_	
				1/	12/06 12:1	!5		S71A_0	05MH		
	HERRING RUN	<i>J</i> 995	5 <i>R</i>	]	Inspected By	y	Mar	hole	P	ipe	
					JM/VL		Depth (ft)	Width (ft)	Width (in)	Height (in)	
	Site Address:		6800 Lon	nbardStreet			12.90	8.00	37.00	35.75	
	MH Type:   Brick   Pre-ca	Pipe Type:	O Brick	O Concrete	O Clay	Other	Pipe Shape:	Circular	ОВох	Odd	
	Top View Pictu	re		Ar	ea Location	Мар		Sa	fety Concern	ıs	
7		√N C	Erdman Ave				N.	✓ Gas	Traffic		-
IO				(151) (15) HALLES	Canton Industrial	Defense Heights		Access	Other		PART
GAT				NA	Colgate Area	(150)	9		low oxygen leter Locatio	n	ГА-
STI			Joseph Lee Park		(151)	Eastpoint Mall	● U/S				-SI
- SITE INVESTIGATION					Oaklawn		5D 2D (41)	O D/S		<u>5</u> ft	TE ]
EI			Oheb Oheb	Hudson	Harbor View Park	astpoint	702		<b>hole Coordin</b> 594,172.32		
SIT			Shalom Cemetery armel	\$200f#'8	Orview German Hill Rd Cogle - Map data ©2006	NAVTEQTM / Terms of	TO THE PARTY OF TH		145,476.35		EST
A	Area View Pictu		No. 2011 11 1	Vicinity Ma	ар			ntenna Insta	llation	SITE INVESTIGATION	
PART	The later of the l	THE POST	Other Control	-1	TE /	N	✓ Asphalt	Soil		TIO	
$\mathbf{P}_{\lambda}$			1		1			Concrete Signal Strengt	☐ Traffio	100%	Ż
				The last	Was a		1		elog Phone #		
	A CENTRAL PROPERTY OF THE PROP	夏	San II		Monormania			10) 960-923			
								Residen	m Character tial	istics	
			1-1-			minimum u	in a	☑ Commer			
			-	1 1		and a state of	A STATE OF THE PARTY OF THE PAR	☐ Industria	l		
			_	•	Assessmen		_	<u>_</u>	_		
	Surcharge (ft):	<i>0.00</i>	ht Ber	nd 🗌 Drop	Inlet ☑ B	ackwater	☑ Pump Sta	. WWTI	P ☐ Need	s Cleaning	
	Flow Depth (in):	1.00 Instan	t Vel (fps):	N/A	Si	lt Level (in):	· 0.00	Signs of I/I:	NO		
	HYDRAULIC RATING:	A (good	i)	O B (questic	nable)	O C (poo	or)	Recomme		Yes	
								Install		O No	_
	T 4 B	d. Di Ci di					T 4 H 4		pe: ADS-F	owSnark	
	Installa	ntion Plan Sketch					Installation	Profile Sketch			
	8		37.00" >	X 35.75"			U	L			
	6"										
		· //									
		/ /									
Z		$\checkmark$ /									P
	/ •	/ /~					P				ART
TY								' V			[В-
PART B - SITE INSTALLATION		/									PART B - SITE INSTALLATION
INS		Installation Inf			Outgoing	OF		Installatio	on Photo		EZ
SITE	Line#	1 2	3	4	Outgoing 1	1	1				STA
B - §		6.00 m		-	36.00	_					LL
RT	Material V	VCP e			CI		f .				III
PA	Debris (Y/N)	Y t			N					13 17	ž
	_	Cir. e			Cir.						
	_	0.00 r			1.00						
		0.00			N/A		E / 1			/ -//	
	Comments: Ste	eep grade in man			ch. Low o	xygen, 5-					
			7 ppm	of H2S.							

	ringroup	City of Baltimo	re - Bure	au of Wa	ter and	Wastewat	er	Site	Name
	Excellence through Ownership	Flow Monito						OU	T01
	Sewershed	Project No.	Insp	ection Date/	Гіте		City M	H I.D.	
			2/.	16/2007 8:0	00		S69C_0	<i>02MH</i>	
	OutFall	995R		Inspected By	7	Mai	nhole	P	ipe
				LT / JGM		Depth (ft)	Width (ft)	Width (in)	Height (in)
	Site Address:	111	Kane St.			22.5	4	17.75	18.12
	MH Type:   Brick Pre-cas	Pipe Type: O Brick	O Concrete	O Clay	Other	Pipe Shape:	Circular	О Вох	Odd
	Top View Pictur	e	Aı	rea Location	Мар		Sa	fety Concer	ns
- SITE INVESTIGATION	1900	N				N	☐ Gas ✓ Access <b>T</b> 1	☐ Traffic ☑ Other rain Crossin	ng
IGA			1				N.	leter Locatio	n
EST		1 Alex					● U/S		<i>1</i> ft
	WASHING -					I.	O D/S	hole Coordin	nates
TE]		7				100		592,626.73	
IS-	MIN NOW THE REAL PROPERTY OF THE PERTY OF TH				DA A	20	·	144,426.40	
T A	Area View Pictur	re		Vicinity Ma	ip			ntenna Insta	allation
PART					7	$\sqrt{N}$	☐ Asphalt ☐ Concrete	✓ Soil ✓ Traffi	r
F			<b>N</b> 2				Signal Streng	_	100%
			\$69C_0		思問題	* **		Telog Phone	
			2690_0	Sasc	002IVIH			10) 207-819	
		A STATE OF THE STA		OU	T01		✓ Residen	m Character tial	isucs
			69C_001MH		12		☑ Comme		
		222	42/4		T TW	79	☐ Industria	al	
			•	c Assessmer					
	Surcharge (ft):	12	end Drop	Inlet Ba	ackwater	☐ Pump Sta	. WWT	P Need	ls Cleaning
	Flow Depth (in): 2.	.25 Instant Vel (fps)	: <b>5.47</b>	Sil	lt Level (in):	0	Signs of I/I:	No	
	HYDRAULIC RATING:	A (good)	O B (questi	onable)	O C (poo	or)	Recomme Install		Yes  No
	Installat	ion Plan Sketch				Installation	Profile Sketcl	1	
	f	18.00"					U		
							$\top$		
	Side connection 10"							(	
	is 10.4' deep.							<del> </del>	
ION		18.00"					4º	•	
AT		10.00				V	,		
15									
<b>A</b>		Installation Information	ı				Installation	on Photo	
NSTA				Outgoing	OF		1		
FE INSTA		Incoming						· Comment	A Commence
- SITE INSTAI		1 2 3	4	1	1	100	200	<b>一种</b>	A STATE OF THE STA
T B - SITE INSTAI	Size (in)	1 2 3 M 10	4	18	1		288		No. of
ART B - SITE INSTAI	Size (in) 1 Material	1 2 3 M 10 E VCP	4	18 VCP	1		;	Na Carlo	
PART B - SITE INSTALLATION	Size (in)  Material  Debris (Y/N)	1 2 3 M 10 E VCP T No	4	18 VCP No	1	First			
PART B - SITE INSTAI	Size (in)  Material  Debris (Y/N)  Shape	1 2 3 M 10 E VCP T No E RND	4	18 VCP No RND	1				
PART B - SITE INSTAI	Size (in)  Material  Debris (Y/N)  Shape  Flow Depth (in):	1 2 3 M 10 E VCP T No E RND R 2	4	18 VCP No RND 4	1				
PART B - SITE INSTAI	Size (in)  Material  Debris (Y/N)  Shape	1 2 3 M 10 E VCP T No E RND R 2 1.5		18 VCP No RND 4 5.35				No.	
PART B - SITE INSTAI	Size (in)  Material  Debris (Y/N)  Shape  Flow Depth (in):  Instant. Vel. (fps)  Comments:	1 2 3 M 10 E VCP T No E RND R 2	ion ot OutFa	18 VCP No RND 4 5.35 USewer 1000 Baltimore Soli	) L.F. id Waste				

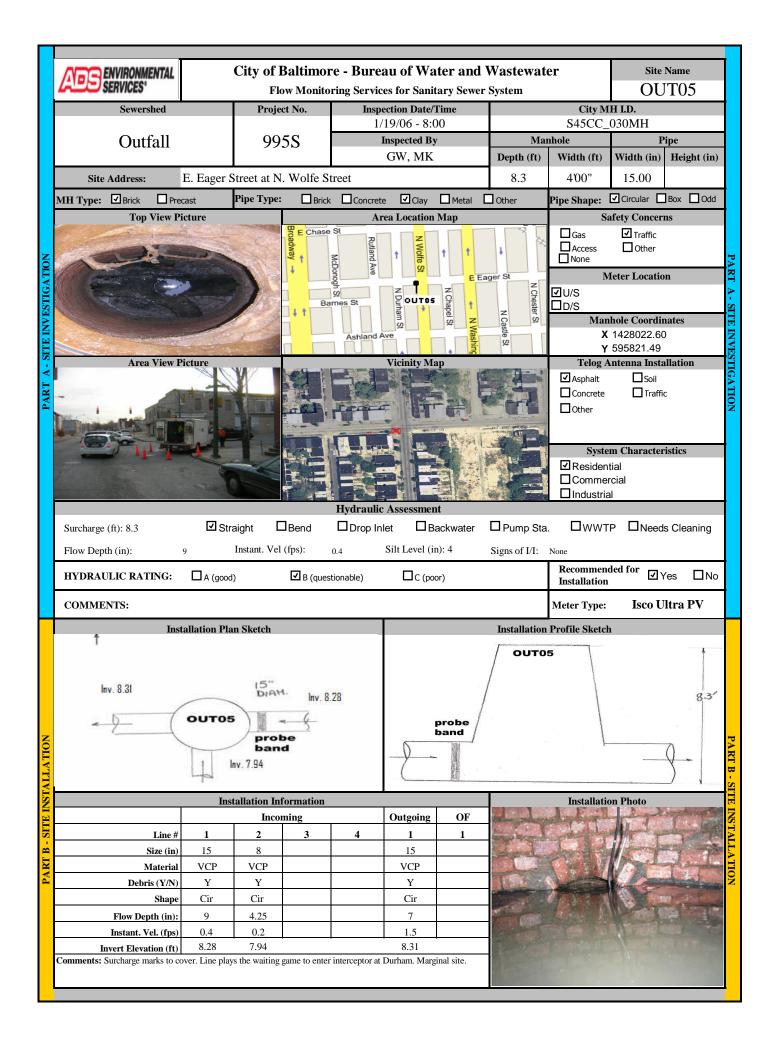
Г

	rjngroup		•					Wastewate	er		Name TO2
	Excellence through Ownership					es for Sanit		System			102
	Sewershed		Project	t No.	1	ection Date/			City M		
	OUTEALI		005	'n		/12/06 10:0			S65A_0		
	OUTFALL	1	995	K		Inspected By	•	1	hole		ipe
						JM/VL		Depth (ft)	Width (ft)	Width (in)	Height (in)
	Site Address:				ır Kane inter		_	23.00	3.75	147.00	132.00
	• • •	re-cast	Pipe Type:	O Brick		Clay	Other	Pipe Shape:	O Circular		Odd Odd
	Top View P	icture			A	rea Location	Map		✓ Gas	afety Concer	ns
PART A - SITE INVESTIGATION	Area View P	Vicinity Map						Access			
	Surcharge (ft):	4.00	✓ Straigh	at □Be	•	c Assessmer		✓ Pump Sta.	✓ Residen ✓ Comme ✓ Industria	Telog Phone (10) 371-364 em Character ntial rcial	1
	Flow Depth (in):	92.00	_	Vel (fps)			lt Level (in)	14.50	Signs of I/I:	NO	
	HYDRAULIC RATING:		A (good)		O B (questi	onable)	O C (poo	or)	Recomme Install		Yes   No
									Meter Ty	pe: ADS-F	lowShark
	Inst	tallation Pla	n Sketch					Installation	Profile Sketcl	h	
SITE INSTALLATION		•	132" X 147"				P	U		14.5" S	silt
SNI		Ins	tallation Info	rmation					Installati	on Photo	
TE 1			Incom		1	Outgoing	OF		17.44	199	Va,
-SI	Line #	1	2	3	4	1	1	, a		W	
I B	Size (in)	m			1	47" X 132	•			1.05	1 3/2 1
PART B	Material	e			1	RCP		1		1	
P.	Debris (Y/N)	t				Y					164 3
	Shape	e			1	Cir.					
	Flow Depth (in):	r			1	90.00		The state of the s		1	
	Instant. Vel. (fps)					1.58		T. Fatte	No or other transfer or		
	Comments:										

	rjngroup	City of Baltimor					er		Name
	Excellence through Ownership	System			T03				
	Sewershed	Project No.	_	ection Date/T			City M		
		0050		/10/06 16:4:	5		S55AA_0		
	OUTFALL	995R		Inspected By		Man	hole		ipe
				DJ/JM		Depth (ft)	Width (ft)	Width (in)	Height (in)
	Site Address:		lonument			15.52	2.00	147.00	132.00
	MH Type:   Brick   Pre-case	Pipe Type: O Brick	Concrete		Other	Pipe Shape:	O Circular	О Вох	Odd
	Top View Pictur	re	A	rea Location	Map	I II W III - WATE BOX NO.	Sa Gas	afety Concern	ns
PART A - SITE INVESTIGATION	Area View Pictur	(40)	Friendship Cemetery  Vicinity Map  Telog  Asphalt  Concret  Signal Stret					hole Coordin 594,961.76 435,389.56 Antenna Insta Soil Traffi h Celog Phone a 10) 916-938 m Character	2 ft sates N W allation 100%
	<b>3</b>	_	Hydraulic Assessment  ✓ Straight ☐ Bend ☐ Drop Inlet ☐ Backwater ☐ Pum Instant Vel (fps): 1.87 Silt Level (in): 35.0  ○ A (good)						s Cleaning  • Yes  • No  lowShark
	Inctallat	tion Plan Sketch				Installation	Profile Sketch	_	
PART B - SITE INSTALLATION		147	" X 132"		P			35" Sil	t t
SNI		Installation Information		1			Installatio	on Photo	<u> </u>
TE		Incoming	Π	Outgoing	OF				
·SI	Line #	1 2 3	4	1 1 1 1 1 2 2 1 2 2 1 2 2 1 2 2 1 2 2 1 2 2 1 2 2 1 2 2 1 2 2 2 1 2 2 2 1 2 2 2 1 2	1				A CONTRACTOR AND A CONT
LB		m		147 X 132				100	A
4R	Material	e		RCP				1	
P.	Debris (Y/N)	t		55.00					35 2
	Shape	e		Cir.				The same	The state of the s
	Flow Depth (in):	r		87.00					
	Instant. Vel. (fps)			1.87					
	Comments: Lo	arge pipe with a lot of silt of for a	and flow. access.	Air blower	needed				Malle.

	ENVIRONMENTAL	City of Bal	timore - Bur	eau of Wate	r and V	Vastewate	er	Site	Name
	SERVICES'	Flow M	Monitoring Servi	ces for Sanitar	y Sewer S	System		OUT	Γ04Α
	Sewershed	Project N		pection Date/Tin			City M		
	O +C 11	0050		29/2006 - 100	0	37	S45EE_0		
	Outfall	995S		Inspected By Jason Cooper			hole Width (ft)	Width (in)	ipe Height (in)
	GI. 133			rason Cooper		Depth (ft)	` ′		neight (iii)
		ashington Ave. @ C				23.83	4'00"	120.00	
	MH Type: Brick Precast		☑ Brick ☑ Concre			Other	Pipe Shape:		
	Top View Pictu	ure	E Oliver St	rea Location Ma	ap	+ Ue Map		fety Concern	ns
		51	Llewelyn Ave	E Hoffman St		N Por	□Gas □Access	☑ Traffic ☐ Other	
NO		N Bond St	sworth St Ellsworth Sr	E Preston St	2	SON Park North Code Mura	None		
SITE INVESTIGATI	KIMM		E Biddle St	ra 91	E Biddle St	N PP		leter Locatio	n
TIG			E Chase St St	☑U/S					
VES		Company of	Wido Ave	† Von t	Prentis N College	7.1.1. }	□D/S Man	hole Coordin	ates
Z		N Bond	E Eager St	Vashington N Chapel			1428397.75		
SITE			Ashland Av	S S S	ess cisco návteg~ - Is		596356.01		
8 - A	Area View Pict	ure		Vicinity Map		the one and	0	ntenna Insta	llation
RT.					7		✓ Asphalt ☐ Concrete	☐ Soil ☐ Traffio	
PAI			<b>X</b>	The state of the s		A But Share an	Other	Ппапіс	•
				Mark (X) sl					
			A STATE OF THE STA	Chase Stre	et and V	<b>Vashingtor</b>			
				Street.	D (2007) AT (24)		_	m Character	istics
			- 100	414		1 470	☐ Resident		
						Carrier Control	Industria		
			Hydrauli	c Assessment					
	Surcharge (ft):	☑ Straight □ Be	nd Drop I	nlet Back	water [	☐ Pump Sta.	□ww⊤	P Needs	s Cleaning
	Flow Depth (in): 76	Instant. Vel (fps	): 2.45	Silt Level (in):	27	Signs of I/I: N			
	HYDRAULIC RATING:	✓ A (good)	B (questionable)	☐C (poor)			nded for <a href="#">Yes</a>		
	COMMENTS:						Meter Type:	Isco U	ltra PV
	Install	ation Plan Sketch				Installation	Profile Sketch	l	
	7700	4 N. 82 / TWZ 12	*			. ,			
	Preson	(f) -1 or	8.6			/	1		
	7	\frac{1}{2} \/_				/ 8"	ne		
	->	6	->	<u></u>					
17	Flow	( )	Flow	Flow		Š.		F 1,	254
IOI		INV. 22,83				<b>M</b>			>
LAT				-	• •		•		
INSTALLATION									
SZ		Installation Inform	nation				Installatio	on Photo	SANCE BANKS OF
SITE		Incoming	,	Outgoing	OF		4		
1	Line #	1 2	3 4	1 120	1	-11			
RT B	Size (in)	120 8	8 /CD	120 BCB			100		
PAF	Material  Debris (Y/N)	RCP VCP V Y N	/CP N	RCP Y				16	
	Shape		Cir	-	-		W. Y		16年
	Flow Depth (in):	76 -	-	76					
	Instant. Vel. (fps)	2.45 -	-	2.45					
	Invert Elevation (ft)		2.82	23.83			en en		
			•						
	Comments: Inverts are the sar	me on both ends of mar	nhole			No.			

	ENVIRONMENTAL	C	City of B	altimor	re - Bure	au of Water ar	nd Wastewat	er	Site	Name
	SERVICES*		Flo	w Monito	ring Servi	ces for Sanitary Sev	wer System		OU	T04
	Sewershed		Projec	t No.	-	ection Date/Time		City M		
	O.,4fa11		005	- C		19/06 - 12:05 Inspected By	Mo	S47CC_		lipe
	Outfall		995	00		GW, MK	Depth (ft)	Width (ft)	Width (in)	Height (in)
	Site Address: A	Ashland Av	o at Drad	Iford Stra	not.	311, 1111	37.53	4	127.00	Treight (III)
			ipe Type:							Ів Пон
	MH Type: ☑ Brick ☐ Preca Top View Pic		ipe Type:	<b>☑</b> Brick	Concret	rea Location Map	l Other	Pipe Shape:	afety Concer	
	Top view Pic	ture		Œ	Eager St	E Eager St		Gas	Traffic	ns
								Access	Other	
NO.				t		t	+	✓ None		
AT			1300			Ashlarid Ave			Ieter Locatio	n
SITE INVESTIGA	Color Color		117/6	Z		Z Z MC	2 %	☑U/S □D/S		
WE			1/2	N Madeira St		N Montford Ave	N Milton Ave		hole Coordii	nates
EIN			1	a St		1	1		1429904.67	7
SIT	Area View Pic	cture			4	Vicinity Map		1	595432.69 Intenna Insta	llation
A	THE THE THE	The same	8			E E		✓ Asphalt	Soil	ination
ART								Concrete	☐ Traffi	С
P.								Other		
			A				THE PARTY			
		<b>- *</b>			目			Syste	m Character	ristics
		A						☑Residen		
						- THE	CHELL	Commer		
	THE PROPERTY OF THE PARTY OF TH		*	AUT I	Hydraulie	e Assessment		☐Industria	ll .	
	Surcharge (ft): 15	☑ Strai	aht 🗆	Bend	□ Drop Ir		r 🗆 Pump Sta	. <b>П</b> wwт	P DNeed	s Cleaning
	Flow Depth (in): -		nstant. Vel (		2	Silt Level (in): 39	Signs of I/I:			
	* ' '		istaire. Ver (			. ,	Signs of 1/1.	Recommend	ded for	_
	HYDRAULIC RATING:	A (good)		☐ B (ques	tionable)	C (poor)		Installation	<u> </u>	
	COMMENTS:							Meter Type:	Isco 50'	Ultra PV
	Insta	llation Plan	Sketch				Installation	Profile Sketch		
		INV. 37.	.53				1	1		
			\				/	- 1		37.53
	<del></del>	(	) .							
_				)			· /			į
TION	* constraint commence Il Suna	1 00				0	3	1		N. P. C.
LAT						<u> </u>				-
[AL]		IN	. n.95			(				<u> </u>
INS		Insta	llation Info			1		Installatio	on Photo	
SITE			Incom			Outgoing OF				
B-S	Line #	8"	2 127	3	4	1 1				
RT I	Size (in)  Material		Brk/Conc			Brk/Conc				
PA	Debris (Y/N)	N N	Y			Y		-	* /	
	Shape	Cir	Cir			Cir				1
	Flow Depth (in):	-	-			-				
	Instant. Vel. (fps)	-	2			2			N. A.	
	Invert Elevation (ft)	11.95	37.53	ha mankala		37.53			1	
	Comments: Pipe Invert 2 and Outgo	omg same at b	om enus of ti	не шашоте				11		
							<b>可以</b>			



											4
	ENVIRONMENTAL	City of 1	Baltimo	re - Bure	au of Wate	er and V	Wastewat	er	Site	Name	П
	SERVICES	Fl	ow Monito	oring Servi	es for Sanita	ry Sewer	System		OU'	Г06А	
	Sewershed		ect No.		ection Date/Ti			City M			t
		.,		_	19/06 - 11:3			S43C0			ı
	Outfall	99	5S		Inspected By		Mai	nhole	P	Pipe	Ī
	0 0/110/11		~		GW, MK		Depth (ft)	Width (ft)	Width (in)	Height (in)	ı
	Site Address:	Bond Street at Mull	likin Cour	†			14.44	3	99.00		1
					П., г	J.,		_		] Гр Позд	4
	MH Type: ☐ Brick ☑ Pre		■ Brick	Concret			Other	Pipe Shape:			4
	Top View P	icture		A	rea Location M	Тар	Or		afety Concer	ns	4
			Orleans Orleans S		40		→ Or	□ Gas □ Access	☐ Traffic ☐ Other		
NO		W 100 100	Cilva	Spring Ct	Douglas	Beale Ct		None	<b>D</b> oulei		5
Y TI			G C	ගි Z Mullikin Ct	Ω		N Bethel Ct	N	leter Locatio	n	
SITE INVESTIGATION		Will.				OUTO	6A 💆	<b>☑</b> U/S			I OM
ESI			S N	May Ct		Bond St		□D/S			_
N		1000	ver Ct		Dallas Ct	Ω E Fayette	St		hole Coordii 1426680.61		
TE]				E Lexington	St	EFayer			593023.89	ı	
1	Area View F	Picture			Vicinity Map				ntenna Insta	allation	
PART A								✓ Asphalt	Soil		
ARI		- 111	100	PITOL S	POTETT	Tomil	近小野	Concrete	☐ Traffi	С	STIE HAVE STORY
P,		E I Tantani	1113				0 0	Other			1
		HI I I I I I I I I I I I I I I I I I I	-	2000		<b>计</b> 意识	K S				
			E . 13	FI	<b>新国智力</b>	AFOREST .		Syste	m Character	ristics	ł
				00				☑ Residen			1
				19 20				☐ Commer	cial		
				1		1545		☐Industria	ıl		4
			_		Assessment		_	_	_		4
	Surcharge (ft): 10	☑ Straight ☐	∃Bend	☐ Drop Ir	ılet ∐Bac	ckwater	☐ Pump Sta	_			
	Flow Depth (in): 63	Instant. Vel	(fps):	1.5	Silt Level (in):	: 20	Signs of I/I:	None			
	HYDRAULIC RATING:	☑ A (good)	☐ B (ques	ctionable)	☐C (poor)	`		Recommend	ded for	∕es □No	1
	IIIDRICEIC RIIIVO.	□ A (900d)	■ B (ques	stionable)	ше (роог,	)		Installation			4
	COMMENTS:	MH Type is Poure	ed in Place	е				Meter Type:	Isco U	ltra PV	
	Inst	tallation Plan Sketch					Installation	Profile Sketch			
	<b>†</b>	4 141 418					/	1			
		A TNV. 14.48						. \			
							/	1		14.44	
							/	1			
								1			
Z	99" DIAM.	2000						<u> </u>			Ŀ
TIO	DIAM.				<del>- y</del> -	8				-	LA LALLE
TY		INV. 14.40				M	-		)		t
TAI	**************************************									• • • • • • • • • • • • • • • • • • • •	
SZI		Installation In				0.5	10 mm 22 (cm	Installatio	on Photo		
SITE INSTALLATION	_		ming		Outgoing	OF	SA	The same of			THE TABLE OF THE COLUMN
S - S	Line #	1 2	3	4	1 00	1			1	Aug .	
XT B	Size (in)	99 Brk/Cone			99 Brk/Cone			D.C.			
PART B-	Material Debris (Y/N)	Brk/Conc Y	1		Brk/Conc Y		Sala Jan	A STATE OF THE PARTY OF THE PAR			
	Shape	Cir			Cir						
	Flow Depth (in):	63			63		20				
	Instant. Vel. (fps)	14.4			14.48		9				
	Comments: At 15' downstream ce		ced chamber	between pipes			1				1
							1				1
								Section 1			4
											-

	rjngroup	City of Baltimo					er		Name
	Excellence through Ownership	Flow Monito			-	System			T06
	Sewershed	Project No.		ection Date/T			City M		
			1	/5/06 13:55	1	S45CC_007MH			
	OUTFALL	995R		Inspected By		Man	hole	P	Pipe
						Depth (ft)	Width (ft)	Width (in)	Height (in)
	Site Address:	951 1	Ourham			13.95	4.00	99.00	99.00
	MH Type:   Brick Pre-cast	Pipe Type: O Brick	Concrete	O Clay	Other	Pipe Shape:	Circular	О Вох	Odd
	Top View Picture		A	rea Location 1	Map		Sa	afety Concer	ns
PART A - SITE INVESTIGATION	Area View Picture  Surcharge (ft): overflow	N 2 2 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	•	Vicinity Man		N N N N N N N N N N N N N N N N N N N	● U/S ○ D/S  Man  1,4  Telog A  ✓ Asphalt □ Concrete Signal Strengt  ✓ Syste ✓ Residen ✓ Comme ✓ Industria	hole Coordin 595,711.83 427,866.26 Antenna Insta Soil Traffi h Telog Phone a (10) 952-324 m Character tial	2 ft nates N W allation c 100%
	Flow Depth (in): 72.00	Instant Vel (fps):			t Level (in):		Signs of I/I:	pipe	
	HYDRAULIC RATING:	A (good)	O B (question	onable)	O C (poo	r)	Recomme Install	ation	Yes    No
							-	pe: ADS-F	lowShark
	Installation I	Plan Sketch				Installation	Profile Sketch	1	
PART B - SITE INSTALLATION		99"			25" silt	V			PARI B - SILE INSTALLATION
ZISN	I	nstallation Information					Installation	on Photo	
EIL		Incoming		Outgoing	OF				
SIT	Line # 1	2 3	4	1	1				A
B.	Size (in) m			99.00					
RT	Material <i>e</i>			RCP			编 图 。		
PA	Debris (Y/N) t			Y		A CALLETTON			2
	Shape e			Cir.		H SAVORAGE			AL ALL STATES
	Flow Depth (in):			72.00		14.32			
	Instant. Vel. (fps)			1.67		History			The state of the s
	Comments:	High crime, good hya	lraulics. S <sub>l</sub>	•	II.				

								<u> </u>	
	ENVIRONMENTAL	City of Baltimor	re - Bure	au of Wat	er and \	Wastewat	er		Name
	SERVICES.	Flow Monito	oring Servi	ces for Sanita	ry Sewer	System		JO	JT07
	Sewershed	Project No.	_	ection Date/Ti			City M		
	Ov4fa11	0050		18/06 - 10:4 Inspected By	5	Mov	S43E0 nhole	S43E037MH ole Pipe	
	Outfall	995S		GW, MK		Depth (ft)	Width (ft)	Width (in)	
	gr. 433 #1612 F-	A		OW, MIK			` '		Height (III)
		nirmont Ave.	_			16.78	4'00"	24.00	
	MH Type: Brick Precast	Pipe Type: Brick	k Concre			Pipe Shape:			
	Top View Picture			rea Location N	/lap		Gas Sa	afety Concer	ns
	1	Allas Ct	Bond St	Lette St			Gas Access	☐ Traffic☐ Other	
NO		No.	EFay	ırch Home	N Bro		✓None		on
AT	-4-3		And	d Hospital	N Broadway			leter Locatio	
SITE INVESTIGATION			опте:		t t		☑U/S □D/S		nates 7 allation
VES				E Fairm		Irvine PI		hole Coordi	nates
Z	A TEST	NDallas	Z	N Bethel St	1 1	mpstead o		1426930.2	7
SITE		illas St	N Bond S			Ω	_	592428.70	
A - 8	Area View Picture		Care of	Vicinity Map		pril Telephone		Intenna Inst	allation
RT				Freth	3 11 1		✓ Asphalt ☐ Concrete	□Soil □Traffi	ic
PA		1200		14-34			Other		
		The same of the sa			1				
							Conto	m Characte	
	1 1-1		DEL S				☑ Residen		ristics
							Commer		
			现下七	11		Contract Con	□Industria	ıl	
	Hydraulic Assessment								
	Surcharge (ft): 7 ☐ Straight ☐ Bend ☐ Drop Inlet ☐ Backwater ☐ Pump Sta. ☐ WWTP ☑ Needs C						ls Cleaning		
	Flow Depth (in):	Instant. Vel (fps):	0.5	Silt Level (in)	: 3	Signs of I/I:	Leaking Walls		
	HYDRAULIC RATING: ☐ A (goo	d) I (ques	stionable)	☐C (poor	)		Recommend Installation		Yes □No
	COMMENTS: 90 degr	ree bend					Meter Type:	Isco U	Iltra PV
	Installation Pl	an Sketch	2	<u></u>		Installation	Profile Sketch	1	
	Ť								
	1					/			
	INV. 16.83				/		1		16.78
	• •				/				
					/		1		
NO	248" DIAH			0			1	()	
ATI				(				Š	
\LL		( INV. 16.79							
INSTALLATION	In:	stallation Information	-	Material Control of the Control of t		TOTAL STREET,	Installatio	on Photo	
EIN		Incoming		Outgoing	OF				
SITE	Line # 1	2 3	4	1	1		G.	- X	
rB.	Size (in) 24			24.8		1/1/	1		
PART	Material DT			DI					
P	Debris (Y/N) Y			Y		16 60		A STATE OF THE PARTY OF THE PAR	
	Shape Cir	+ +		Cir			W/E	1	1 10
	Flow Depth (in): 11.5			0.5		150 1/9	1		
	Instant. Vel. (fps)   0.5	+ +		16.83					
	Comments:		L	10.03					1/3
								1.00	7 4

	N ENVIRONMENTAL	City of Baltimore - Bureau of Water and Wastewater Site Name								
	SERVICES*	Flow Monito	ring Services for Sanitary Sewer	System		OU	T08			
	Sewershed	Project No.	Inspection Date/Time		City M					
	Outfall	995S	1/18/06 - 10:00 Inspected By	Mai	S49CC_	Pipe				
	Outlan	9933	GW, MK	Depth (ft)	Width (ft)	Width (in)	Height (in)			
	Site Address: Luzer	ne Ave. at E Madison S		13.99	4	24.00				
	MH Type: ☑ Brick ☐ Precast				Pipe Shape:		Box Odd			
	Top View Picture		Area Location Map		Safety Concerns					
			t Z t Achland A		Gas	Traffic				
z			6 Astriano	ve	☐ Access ☑ None	☐ Other				
TIO		<b>†</b>	Ave	2		Ieter Locatio	n			
IGA	III.	E Madis	N Lakewood Ave	Relinord +	<b></b> U/S					
SITE INVESTIGATION		N Montford	over lose	Str	□D/S	hole Coordir	4			
N		ford Ave	Ø →E Mon			1430912.25				
SITE		dford		1 N Ker	Υ	595073.24				
A - 5	Area View Picture		Vicinity Map			Intenna Insta ☐ Soil	llation			
PART		WE MIN			✓ Asphalt ☐ Concrete	☐ Soil	С			
PA					Other	_				
					Syste	m Character	istics			
					☑ Residen					
			THE CHIEF	CALL	☐Commer ☐Industria					
		W. C. M. C.	Hydraulic Assessment	Part Part No.	Lindustria	11				
	Surcharge (ft): 6	Straight DBend	□ Drop Inlet □ Backwater	☐ Pump Sta	. 🗆 wwт	P Need	s Cleaning			
	Flow Depth (in): 5	Signs of I/I:	Joint Leak in Upst	ream Line	_					
	HYDRAULIC RATING: ☑A	(good) 🔲 B (ques	tionable) $\square$ C (poor)	-	Recommend Installation	131 \	′es □No			
	COMMENTS:				Meter Type:	Isco U	ltra PV			
		n Plan Sketch		Installation	Profile Sketch	1				
	<b>†</b>									
		INV. 14	.03 3		. \					
		)					13.99			
	24" DIAH.		5	OUT						
ATION	BIATIS	1		0010	/ 0		_			
		INV, 13.88	4			)	_			
INSTALL										
	T	Installation Information	0.4.1.00		Installatio	on Photo				
SITE	Line # 1	Incoming 2 3	Outgoing OF 4 1 1							
B - 9	Size (in) 24		24							
ART	Material VC	P	VCP		The state of the s					
P.	Debris (Y/N) N		N		11/1/20					
	Shape Cir	·	Cir			1				
	Flow Depth (in): 5 Instant. Vel. (fps) 2.5		2.75		N. N. S. P.					
	Invert Elevation (ft) 13.8		14.03							
	Comments:	· ·	· · ·		1					
				Street, St. A. S. St.			CONTRACTOR OF THE PARTY OF THE			

	ringroup	-	City of I	Baltimo	re - Bure	au of Wa	ter and `	Wastewate	er	Site	Name
	Excellence through Ownership		Flo	w Monito	ring Servic	es for Sanit	ary Sewer	System		OU	T09
	Sewershed		Proje	ct No.	Insp	ection Date/T	ime		City MH I.D.		
			8		8/1	16/06 9:00am		S43C_0		26MH	
	OUTFALL		99.	5R		Inspected By		Mar	hole	Pi	ipe
						SM/CB		Depth (ft)	Width (ft)	Width (in)	Height (in)
	Site Address:		13	5 N. Bond	St. and Faye	tte.		9.80	4.00	30.50	30.50
	MH Type: O Brick O Pre-	cast	Pipe Type:	O Brick	Concrete	O Clay	Other	Pipe Shape:	Circular	Овох	Odd
	Top View Pict	ture			Aı	rea Location	Мар		Sa	afety Concern	ns
PART A - SITE INVESTIGATION	Area View Pic	ture	\[ \sqrt{\text{N}} \]	asington St -		Vicinity Ma	A40  N Central Are  N Central Are	N Broadway N Bonds St. N Dates	Man  State of the	hole Coordin   592,662.91   426,729.56   Antenna Insta 	2 ft EXPENDENCE OF THE PROPERTY OF THE PROPERT
	Surcharge (ft): Flow Depth (in): HYDRAULIC RATING:	6.00 5.50	_	nt Vel (fps):	nd Drop				Signs of I/I:  Recomme  Install	P Need:  Yes  nded for ation	S Cleaning    Yes  No
										pe: ADS-Fl	lowsnark
PART B - SITE INSTALLATION	Installation Plan Sketch  24"  30.50"							Installation	Profile Sketch  U	3.5" Silt	PART B - SITE INSTALLATION
SZ		Inst	tallation Inf	formation				and the same of the same	Installatio	on Photo	
Œ			Inco	ming	1	Outgoing	OF				Z
SI	Line #	1	2	3	4	1	1		00	1	A
B	Size (in)	m	24.00			24.00					L A
IRI	Material	e	CONC.			CONC.					
₽Ą	Debris (Y/N)	t	Y			Y		AND THE STATE OF T			Ž
	Shape Flow Depth (in):	e r	CIRC.			CIRC.		S. C. Lin			
	Instant. Vel. (fps)										
	Comments:	Outgo	oing line i	s confirm	ed by field	crew as 24	.00''				

	rjngroup		City of Baltin					er		Name
	Excellence through Ownership			nitoring Servi			System			HL01
	Sewershed		Project No.		pection Date/			City M		
			005B	1/5/06 13:00	<u>,                                    </u>	S45EE_005MH				
	HIGH LEVE	L	995R I		Inspected By	•	Man	hole	Pipe	
					DJ/JM		Depth (ft)	Width (ft)	Width (in)	Height (in)
	Site Address:			1100 Wolf			18.20	4.00	144.00	129.00
	MH Type:   Brick  Pr	re-cast	Pipe Type: OB	rick   Concrete	O Clay	Other	Pipe Shape:	O Circular	○ Вох	Odd
	Top View Picture				rea Location	Мар		S	afety Concern	ns
PART A - SITE INVESTIGATION	Area View Picture				Vicinity Ma	CHASE ST	Media Fenter  Baltin  Harborplac  way St  N	● U/S ○ D/S  Man 1,4  Telog A  ✓ Asphalt ○ Concrete Signal Strengt	Soil Traffic Telog Phone # 110) 960-955 Total	1 ft nates N W allation 75%
	Surcharge (ft): <i>overflow</i>					ackwater It Level (in):	☐ Pump Sta.  35.00	. □WWT Signs of I/I:		s Cleaning
	HYDRAULIC RATING:		A (good)	O B (questi	ionable)	O C (poo		Recomme Install	ended for	Yes  No
								Meter Ty	pe: ADS-F	lowShark
	Inst	tallation Pla	n Sketch				Installation	Profile Sketcl	1	
SITE INSTALLATION	144" X 129"					P	U		` 35" Silt	
NSJ		Ins	tallation Informat	tion				Installati	on Photo	
LEI			Incoming	ı	Outgoing	OF		0 1 10 3	11	
SI	Line #	1	2 3	4	1	1				
B-	Size (in)	m			144 x 129			- 1 A		2
PART B	Material	e			RCP			11		
PA	Debris (Y/N)	t			Silt					3.344
	Shape	e			Cir.					
	Flow Depth (in):	r			85.00					914 1
	Instant. Vel. (fps)				1.45					1///
	Comments:	High	silt and flow, lo	ook to install d		lows.				

	rjngroup	City of Baltimo					er		Name	
	Excellence through Ownership	Flow Monito			-	System			JT01A	
	Sewershed	Project No.		ection Date/T			City M			
		0050		/28/06 14:15		S69A_001MH				
	OUTFALL	995R		Inspected By		Man	hole	P	ipe	
				JK/SM		Depth (ft)	Width (ft)	Width (in)	Height (in)	
	Site Address:	Kane on E	East Lombard	l		18.95	4.00	136.00	136.00	
	MH Type:   Brick Pre-cast	Pipe Type: O Brick	Concrete	O Clay	Other	Pipe Shape:	○ Circular ○ Box ● Odd			
	Top View Picture		Aı	rea Location N	Map		Sa	afety Conceri	ns	
SITE INVESTIGATION		N N		27	THE POINT RO	Gas Traffic Access Other  Meter Location				
VES		895	111111111		<b>?</b>		● U/S ○ D/S	1.	<u>00</u> ft	
Z		895			7/1	AT >5	_	hole Coordin	ates	
TE				oseph	//#	1000	į.	593,593.30	N	
1			Lei	e Park	/#/	000		144,671.77		
L A	Area View Picture	1 mm 1 mm 2 mm 2 mm 2 mm 2 mm 2 mm 2 mm		Vicinity Map				Antenna Insta	llation	
PART			and the state of		A. S.	N	✓ Asphalt Concrete	☐ Soil		
P			10				Signal Strengt	_	75%	
	THE RESERVE OF THE PARTY OF THE		TSOW FOTB	TSOUTOLA		11		Telog Phone #		
	1000		1		0			10) 207-437		
									istics	
		-	Side.				☑ Residen			
				200		1	✓ Comme			
		1/2/100	Hydroulie	c Assessment		// 17	✓ Industria	al .		
	2 1 (2) 10.00									
	Surcharge (ft): 10.00	☑ Straight ☐ Bei	nd ∐Drop	Inlet Ba	ckwater	Pump Sta.	□wwt	P ∐Need	s Cleaning	
	Flow Depth (in): <b>72.00</b>	Instant Vel (fps)	3.20	Silt	Level (in):	20.00	Signs of I/I:			
	HYDRAULIC RATING:	A (good)	O B (question	onable)	O C (poo	r)	Recomme Install		Yes  No	
							Meter Tv	pe: ADS-F	owShark	
	Installation P	lan Sketch				Installation	Profile Sketch			
	Instantion 1	MIN DICCON					I Tome Sheter	•		
	136"	_								
	130						)			
				P✓						
7	( )				v_	<u> </u>				
LATION	18"				V ~			20" Silt		
TALLATION	18"				V.					
INSTALLATION		estallation Information			V-2		Installati			
TE INSTALLATION	In the state of th	Incoming		Outgoing	OF .		Installation			
- SITE INSTALLATION	Line# 1	Incoming 2 3	4	1	OF 1		Installation			
	Line # 1 Size (in) 18.00	Incoming 2 3 m	4	1 136.00		b	Installation			
	Line # 1 Size (in) 18.00 Material Conc	Incoming   2   3   m   e	4	1 136.00 RCP			Installation			
PART B - SITE INSTALLATION	Line # 1   Size (in)   18.00   Material   Conc   Debris (Y/N)   N	Incoming   2   3   m   e   t	4	1 136.00 RCP N			Installation			
	Line # 1   Size (in)   18.00   Material   Conc   Debris (Y/N)   N   Shape   Cir.	Incoming   2   3   m   e   t   e     e	4	1 136.00 RCP N Cir.			Installation			
	Line #   1	Incoming   2   3   m   e   t	4	1 136.00 RCP N Cir. 72.00			Installation			
	Line # 1   Size (in)   18.00   Material   Conc	Incoming   2   3   m   e   t   e     e	4	1 136.00 RCP N Cir.			Installation			
	Line #   1	Incoming   2   3   m   e   t   e     e	4	1 136.00 RCP N Cir. 72.00			Installation			

	ringroup	City of Baltimo	re - Bure	au of Wa	ter and	Wastewate	er	Site	Name
	Excellence through Ownership	Flow Monito	oring Servic	es for Sanit	ary Sewer	System		TSOU	JT01B
	Sewershed	Project No.	Insp	Inspection Date/Time			City MH I.D.		
			3/	3/28/06 13:15			S69A_003MH		
	OUTFALL	OUTFALL 995R		Inspected By			hole	P	ipe
				JM/VL		Depth (ft)	Width (ft)	Width (in)	Height (in)
	Site Address:	Kane on 1	East Lombard	!		15.42	4.00	114.00	114.00
	MH Type:   Brick Pre-cast	Pipe Type: O Brick	Concrete	O Clay	Other	● Circular ○ Box ○ Odd			
	Top View Picture	A	Aı	Area Location Map				afety Concern	ıs
Z		N E Monument	St		95	√N N	Gas	✓ Traffic  Other	P
TIC		Ski Hari	A 1	111111111111111111111111111111111111111	Inc	Canto lustrial	Access	□ Other	PART
IGA	3 (11)	(150		Toondouse /	95	(151) E	N	leter Location	
EST				(150) (95)		Oaklawn Cemetery	O U/S	2.	00 ft S
SITE INVESTIGATION		S Haven					● D/S Man	hole Coordin	n A - SITE INVESTIGATION W Illation GATION
TE		Boston S		Boston St	Pa	Of N	Ę	593,609.78	N E
- 1	Area View Picture	THE STATE OF THE S	895	Visionia Ma	N. CONTRACTOR	- U00E		144,549.99	W
T	Area View Picture			Vicinity Ma	p		✓ Asphalt	Intenna Insta	illation
PART	Picor	P		13-7		N N	Concrete	Traffic	
					7	TI	Signal Strengt		75%
			The state of the s	indigit - 1				Telog Phone # 10) 207-386	
				DP	,			10) 207-300 m Character	
		☑ Residential							
				and the second		1/	☑ Comme		
			Hydraulie	c Assessmen	t		✓ Industria	al	
	Surcharge (ft): 0.00  Straight Bend Drop Inlet Backwater Pump Sta.  WWTP Needs Cleaning								
									s Cleaning
	Flow Depth (in): <b>44.00</b>	Instant Vel (fps)	): <b>2.11</b>						
	HYDRAULIC RATING:	O A (good)	B (question	onable)	O C (poo	r)	Recomme Install		● Yes ○ No
								pe: ADS-Fl	
	Installation I	Plan Sketch				Installation	Profile Sketch		OWSHAIR
						U			
							\ V		
		\					<b>d</b> ,		
Z		/ \/			,		P		P/
TIO									
LLA	114"					·	29" of silt		B-:
STA	т	notallation Information		Installation Photo					
Z	1	nstallation Information Incoming		Outgoing	OF		Installatio	on Filoto	
SITI	Line # 1	2 3	4	1	- 01				STA
B	Size (in) 114			m		100	744		LILA
PART B - SITE INSTALLATION	Material RCP			e					PART B - SITE INSTALLATION
P4	Debris (Y/N) N			t		A PROPERTY.		19/1/8	Z
	Shape Cir.			e		الله المنا	4	1	
	Flow Depth (in): 44.00 Instant. Vel. (fps) 2.00	+ +		r		MY.	100	200	
	Instant. Vel. (fps) 2.00 Comments:			<u> </u>		MAN P	1 5	The state of	
	Comments.					a a k			
								200	

	rjngroup	•			au of Water and		er		Name	
	Excellence through Ownership				es for Sanitary Sewe	r System			UT02	
	Sewershed	Proje	ect No.		ection Date/Time		City M			
		00	5 D		/12/06 11:20		S67A_002MH			
	OUTFALL	TFALL 995R Inspected By Manhole				nhole	P	ipe		
					JM/VL	Depth (ft)	Width (ft)	Width (in)	Height (in)	
	Site Address:			at Kane St.		22.50	4.00	147.00	132.00	
	MH Type:   Brick   Pre-		: O Brick	Concrete	O Clay Other	Pipe Shape:	O Circular	О Вох	Odd	
	Top View Pic	ture		Aı	rea Location Map	Marada I		afety Concer	ns	
SITE INVESTIGATION		N		895	Thom Pour Ro	N N	Gas Access	✓ Traffic ☐ Other   Teter Location	PAKI	
VESTI				95	Toronto Maria		● U/S ○ D/S		n 2 ft 2 f	
Z		1/2/90/25/9		1~~	Joseph Lee Park		_	hole Coordii	nates	
ITE	JOHN STATE OF THE PARTY OF THE		IND P	了。	00000000	3800		593,747.44	N §	
	Anna Villam Di				150 95 Vi i i i m M			442,701.00	W	
T A	Area View Pio	cture		- Annual Property Control	Vicinity Map		✓ Asphalt	Antenna Insta	allation	
PART	and in the same	Maria de la compansa		(applican)	La Physical	N	Concrete Signal Strengt	 ✓ Traffi	c 100%	
					Telog Phone # (410) 404-3953					
		Value of the same		= 3		e gene		m Character	ristics	
			1000	4	( Antes and of )		Residen			
		3			hhmlill hmm	3	<ul><li>✓ Comme</li><li>✓ Industria</li></ul>			
		A0290.000		The second second	Assessment	- Interest diff	L IIIdustiid	וג		
	Surcharge (ft):	10.00	mb4 □ Dam	•		Dumn Cto		D D Nood	la Classina	
					Inlet Backwater	☐ Pump Sta			s Cleaning	
	Flow Depth (in):	<b>86.00</b> Insta	nt Vel (fps):	1.48	Silt Level (in	): <b>14.00</b>	Signs of I/I:	wall		
	HYDRAULIC RATING:	A (goo	od)	O B (question	onable) O C (po	oor)	Recomme Install		Yes  No	
							Meter Ty	pe: ADS-F	lowShark	
	Insta	llation Plan Sketch				Installation	Profile Sketcl	1		
			147" X 13	32"				- 1		
					D				_	
					\ \_\_\(\)					
ION		,	V							
LAT								14" Silt	15-	
PART B - SITE INSTALLATION		Installation In	formation				Installation	on Dhoto	PARI B-SI E INSTALLATION	
Ž		Installation In	ming		Outgoing OF		mstanau	I Photo		
E	Line#	1 2	3	4	1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			S I A	
B-5	Size (in)	m			47'' X 132''	<b>经市场</b>				
RT	Material	e			RCP					
PA	Debris (Y/N)	t			Y					
	Shape	e			Cir.		1			
	Flow Depth (in):	r			86.00	0.5				
	Instant. Vel. (fps)				1.50					
	Comments:	Insta	all meter d	luring low	flows		· ·			